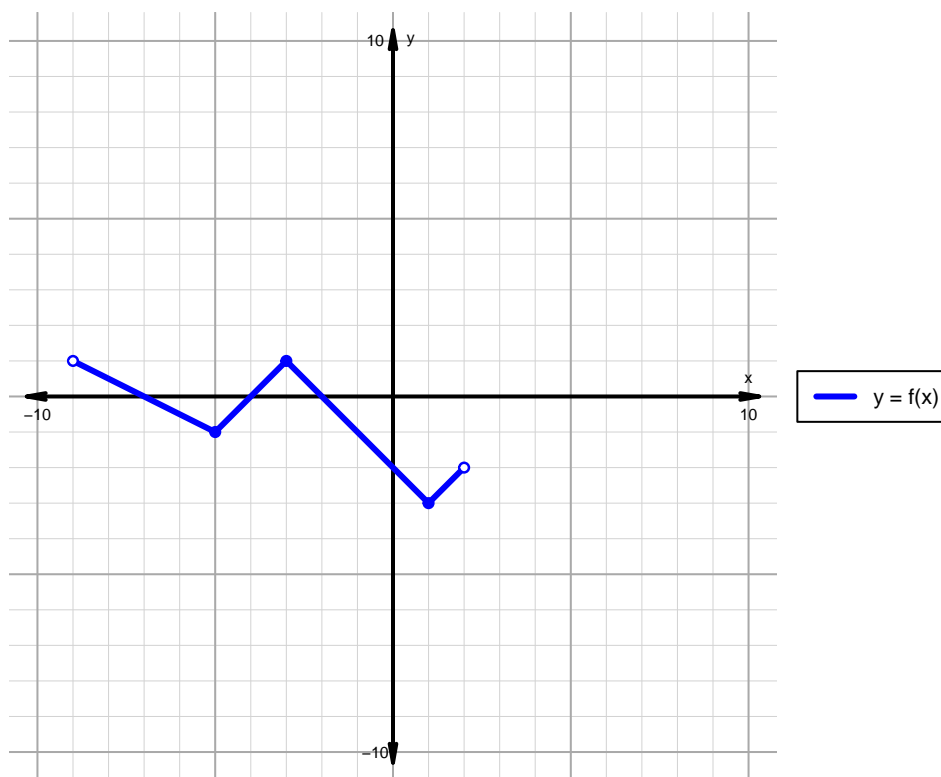


Name: \_\_\_\_\_

Date: \_\_\_\_\_

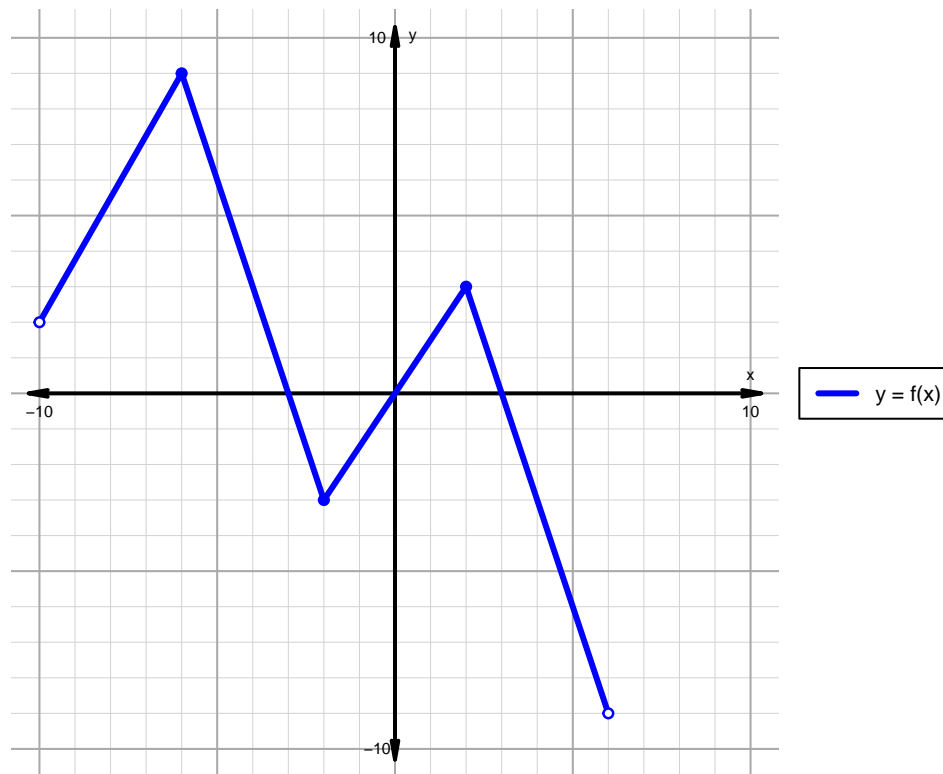
**Function-Feature Intervals (version 0)**1. The function  $f$  is graphed below.

Indicate the following intervals using interval notation. Remember, you can use  $\cup$  between two intervals to indicate the union. Except for range, all intervals will indicate  $x$  values; this is standard.

Feature	Where
Positive	$(-9, -7) \cup (-4, -2)$
Negative	$(-7, -4) \cup (-2, 2)$
Increasing	$(-5, -3) \cup (1, 2)$
Decreasing	$(-9, -5) \cup (-3, 1)$
Domain	$(-9, 2)$
Range	$(-3, 1)$

## Function-Feature Intervals (version 0)

2. The function  $f$  is graphed below.



Indicate the following intervals using interval notation. Remember, you can use  $\cup$  between two intervals to indicate the union. Except for range, all intervals will indicate  $x$  values; this is standard.

Feature	Where
Positive	$(-10, -3) \cup (0, 3)$
Negative	$(-3, 0) \cup (3, 6)$
Increasing	$(-10, -6) \cup (-2, 2)$
Decreasing	$(-6, -2) \cup (2, 6)$
Domain	$(-10, 6)$
Range	$(-9, 9)$